

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* **SA4177SW**

Project **A4957SW-DS**  
**CJA-213**

*This certificate, issued to* **S-TEC Corporation  
Rt. 3, Bldg. 946  
Walters Industrial Complex  
Mineral Wells, TX 76067**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product — Type Certificate Number:* **2A3**

*Make:* **Mooney**

*Model:* **M20F, S/N 22-1246, 22-1306 and on, M20J**

*Description of Type Design Change:* **Installation of S-TEC Manual Electric Trim System Model ST-022 according to Bulletin No. 125 dated 7/25/80 and Master Drawing List No. 9215 dated 7/25/80, or later FAA approved revision. (14 Volt System)**

*Limitations and Conditions:*

**Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplement P/N 8913 dated August 14, 1980, is required.**

**Compatibility of this modification with other previously approved modifications must be determined by the installer.**

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* **July 28, 1980**

*Date reissued:*

*Date of issuance:* **August 14, 1980**

*Date amended:*



*By direction of the Administrator*

*[Signature]*  
**Don P. Watson**  
**Chief, Engineering and Manufacturing Branch**

(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*